

Specifications
for the Class:

WELDER I

Distinguishing Characteristics

This class reflects the fully competent journey-level welder which performs skilled work in welding metal components together to fabricate and repair products using brazing and a variety of arc and gas welding equipment as a regular and continuing assignment, and may supervise one or more Welder Helpers or other helpers assisting in the work.

Welder I differs from the Welder Helper which performs duties that are essentially routine and repetitive, as well as manual and semi-skilled, in the welding of metal components together, and assists a Welder I in welding to fabricate and repair metal products.

Examples of Duties: *(Positions may not be assigned all of the duties listed, nor do the examples necessarily include all of the duties that may be assigned. The omission of specific statements does not preclude the assignment of such duties if they are a logical assignment for the position. The classification of a position should not be based solely on the examples of duties performed.)*

Lays out, marks, and welds light and heavy gauge metals; brazes; repairs broken, cracked, or leaking fixtures and equipment; fills holes and increases size of metal parts; forms and fixes metal parts and sub-assemblies; welds radiators, truck frames, tanks, automotive bodies, and fabricated metal parts; hard-faces special parts such as shovel bucket teeth, grader blades, and other parts requiring a high degree of hardness; inspects welds; assembles metal preparatory to welding, and positions and clamps component parts preparatory to welding; sets up and regulates oxyacetylene and electric welding and cutting equipment; maintains and makes minor repairs on welding equipment; works from blueprints in the fabrication of special parts; estimates time and material needed; may assign tasks to other welders and supervise the work of helpers; and may perform work in other trades when not utilized as a welder.

Knowledge and Abilities Required

Knowledge of: Practices and methods in the welding trade, including safety procedures; the tools, equipment and materials used in oxyacetylene and electric welding and brazing, including the composition and properties of ferrous and non-ferrous metals used in welding and brazing.

Ability to: Operate oxyacetylene and electric welding equipment, and use other hand and power tools common to the welding trade; weld all types of joints and do cutting; read and interpret blueprints and sketches; recognize hazards typical of the work; estimate time and materials to complete a job; understand and follow oral and written instructions; perform heavy lifting, moving and other manual work typical of the class.

MINIMUM QUALIFICATION REQUIREMENTS

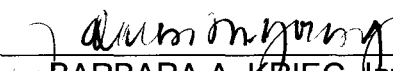
Experience and Training: Four (4) years of work experience in the use and care of brazing, welding and related equipment used in the welding trade; or any equivalent combination of training and experience.

Physical and Medical Requirements

Applicants must be able to perform the essential functions of the position effectively and safely, with or without reasonable accommodation.

This is an amendment to the specifications for the class WELDER I, which were approved on October 30, 1984.

DATE APPROVED: 2/27/2012



BARBARA A. KRIEG, Interim Director
Department of Human Resources Development